

Eclipse Primefire 100 burners

Product brochure · US

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ECHPSE®

- Oxygen-fuel burner with a conventional flame shape
- Multiple-fuel capabilities (natural gas and light/heavy oils)
- Long and lazy flame
- High luminosity flame
- Lower flame temperature
- Conical adjustable flame shape
- Lower emissions (NO_X and particulates)
- Uniform heat distribution
- Low maintenance design

ECLIPSE®

Applications

The Primefire 100 is a field proven oxygenfuel burner. It has become an industry standard, providing greater flexibility, extended fuel firing capacity, increased melter efficiency, improved refractory life, and reduced melting cost. The Primefire 100 oxygenfuel burner produces a conventional flame shape and has multiple-fuel capabilities (natural gas and light/heavy oils). The Primefire 100 burner is currently used in many glass and high temperature furnaces worldwide.

Design features

- Long and lazy flame
- High flame luminosity
- Lower flame temperature
- Conical, adjustable flame shape
- Lower emissions (NO_x and particulates)
- Uniform heat distribution
- No maintenance design
- Ideal for on-the-fly applications
- Proven field and laboratory performance
- Ablility to switch from one fuel to another in a few minutes

Available sizes

(250,000 to 1,000,000 Btu/h) 73 to 293 kW (750,000 to 3,000,000 Btu/h) 220 to 878 kW (2,000,000 to 8,000,000 Btu/h) 586 to 2343 kW

(5,000,000 to 20,000,000 MM Btu/h) 1464 to 5857 kW

Typical applications include:

- Glass furnaces
- Copper frit
- Aluminum melting
- Steel
- Ceramics





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